

crest and a valley with the distance between the crest and valley of said first corrugations being a first distance,

said male portion of each corrugated section having at least one second corrugation, each said second corrugation having a crest and valley with the distance between the crest and valley of said second corrugation being a second distance that is less than said first distance,

B₂
(w/d)

said male portion of each corrugated section having at least one third corrugation, each said third corrugation having a crest and valley with the distance between the crest and valley of said third corrugation being a third distance that is less than said first distance, said crest of said third corrugation having a recessed area accommodating a sealing element that is retained between said recessed area and said female portion,

said female portion telescopically receiving said third corrugation and at least a portion of said second corrugation, and having a reinforcing means disposed around its exterior surface at a position along the longitudinal axis of the female portion that is generally aligned with the sealing element.

B₁

6. The pipe according to claim 1, wherein said reinforcing means comprises one of tape, an adhesive layer, and plastic, and also comprises one of fiberglass, metal, carbon fibers, and plastic fibers.

8. A water-tight connection between two sections of corrugated pipe, said pipe having a plurality of first corrugations, each of said first corrugations having a crest

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and a valley with the distance between the crest and valley of said first corrugations being a first distance,

said connection comprising a male portion integrally molded to one of said sections and a female portion integrally molded to the other of said sections, said male portion having at least one second corrugation, each said second corrugation having a crest and valley with the distance between the crest and valley of said second corrugation being a second distance,

By (contd)
said male portion also having at least one intermediate corrugation and at least one third corrugation, each said third corrugation having a crest and valley with the distance between the crest and valley of said third corrugation being a third distance, said crest of said third corrugation having a recessed area in which a gasket is seated,

said second distance and said third distance each being less than said first distance, said female portion being of a length which is greater than that associated with said third and intermediate corrugations.

By
12. An indeterminate length of dual-wall plastic pipe comprised of at least two corrugated sections of pipe joined by a coupler component, said coupler component having a male portion and a female portion to connect said at least two corrugated sections, each corrugated section having a plurality of first corrugations, each of said first corrugations having a crest and a valley with the distance between the crest and valley of said first corrugations being a first distance,

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